IV. Remarks/Arguments

Claims 1 - 13 were presented in the application.

Claims 1 - 6, 8, and 9 were allowed.

Claims 7 and 10 - 13 were objected to, but were indicated to be allowable if amended.

Applicant has complied with all of the requirements of the Examiner, including the following:

a. The drawings were amended as suggested by the Examiner and no new matter was entered.

b. The specification was amended as suggested by the Examiner.

c. The claims were amended to correct the typographical errors in Claims 10 - 13. Claim 7 was made dependent upon Claim 2, not Claim 1; therefore, the rejection of "lacks antecedent basis" has been removed.

V. Conclusion

Because Applicant has made all of the changes as suggested by the Examiner, this application is in condition for allowance. A Notice of Allowance is earnestly solicited.

Respectfully submitted,

GUNN & LEE, P.C.
700 North St. Mary's Street, Suite 1500
San Antonio, TX 78205 - 3596
(210) 886 - 9500
(210) 886 - 9883 (Fax)

By _____
Ted D. Lee
Regis. No. 25,819

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, as follows:

37 CFR 1.8(a)	37 CFR 1.10
[ ] With sufficient postage as First Class Mail. Date: _____, 2004.	[ ] As "Express Mail Post Office to Addressee", Mailing Label No. EV 400363641 US Date: June 8, 2004.

SHIRLEY MCINTYRE
Printed Name of Person Mailing Paper or Fee

Shirley McIntyre
Signature of Person Mailing Paper or Fee

g:\docs\tdl\swri\p17.135\response

engine exhaust gas may be directed around the dilution tunnel 18 by the conduit 20, as described above.

In the illustrated embodiment described herein, the second sample bypasses the catalytic stripper system 14 and is routed directly to the micro-dilution tunnel 50 whereupon the second test sample is cooled as represented at block 118.

Total particulate matter, i.e., solid fraction and precipitated volatile fraction particles carried in the second sample are collected on the filter pack 60 and measured as indicated at block 120. For collection purposes, it is only necessary to rapidly cool the second sample to a temperature less than about 52°C. However, if it is desired to measure the size and number of total particles of the second stream, as indicated by block 122 connected by dotted lines between blocks 118 and 120 by passing a portion of the second sample through the particle detection sizer and counter system 58, it is necessary that the test sample be cooled to a temperature near ambient, i.e., about 25°C.

The mass flow of the second sample, after removal of the total particulate matter, is measured as indicated at block 124.

The respective solid and volatile fractions of particulate matter carried in the exhaust stream is then calculated as represented by block 126. The first and second test samples should be conducted in parallel with the same exhaust gas flow and carried out over equal amounts of time. The total particulate matter (the solid fraction